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1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/396,539B

DATE: 06/05/2002
TIME: 09:45:26

#18

Input Set : A:\7682048999.txt
Output Set: N:\CRF3\06052002\I396539B.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:
6 (i) APPLICANT: Palese, Peter
7 Garcia-Sastre, Adolfo
9 (ii) TITLE OF INVENTION: RECOMBINANT NEGATIVE STRAND RNA VIRUS
10 EXPRESSION SYSTEMS AND VACCINES
12 (iii) NUMBER OF SEQUENCES: 63
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: Pennie & Edmonds
16 (B) STREET: 1155 Avenue of the Americas
17 (C) CITY: New York
18 (D) STATE: New York
19 (E) COUNTRY: USA
20 (F) ZIP: 10036-2711
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
28 (vi) CURRENT APPLICATION DATA:
C--> 29 (A) APPLICATION NUMBER: US/09/396,539B
C--> 30 (B) FILING DATE: 14-Sep-1999
41 (C) CLASSIFICATION:
38 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: US 08/252,508
35 (B) FILING DATE: 01-JUN-1994
39 (A) APPLICATION NUMBER: US 09/106,377
40 (B) FILING DATE: 29-JUN-1998
43 (viii) ATTORNEY/AGENT INFORMATION:
44 (A) NAME: Coruzzi, Laura A.
45 (B) REGISTRATION NUMBER: 30,742
46 (C) REFERENCE/DOCKET NUMBER: 7682-048
48 (ix) TELECOMMUNICATION INFORMATION:
49 (A) TELEPHONE: (212) 790-9090
50 (B) TELEFAX: (212) 869-9741/8864
51 (C) TELEX: 66141 PENNIE
54 (2) INFORMATION FOR SEQ ID NO: 1:
56 (i) SEQUENCE CHARACTERISTICS:
57 (A) LENGTH: 21 base pairs
58 (B) TYPE: nucleic acid
59 (C) STRANDEDNESS: single
60 (D) TOPOLOGY: linear
62 (ii) MOLECULE TYPE: genomic DNA

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66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
68 TACGAGGAAA TGTCCTGTT A 21
70 (2) INFORMATION FOR SEQ ID NO: 2:
72 (i) SEQUENCE CHARACTERISTICS:
73 (A) LENGTH: 19 amino acids
74 (B) TYPE: amino acid
75 (C) STRANDEDNESS: single
76 (D) TOPOLOGY: linear
78 (ii) MOLECULE TYPE: peptide
82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
84 Gln Leu Val Trp Met Ala Cys Asn Ser Ala Ala Phe Glu Asp Leu Arg
85 1 5 10 15
87 Val Leu Ser
90 (2) INFORMATION FOR SEQ ID NO: 3:
92 (i) SEQUENCE CHARACTERISTICS:
93 (A) LENGTH: 16 amino acids
94 (B) TYPE: amino acid
95 (C) STRANDEDNESS: single
96 (D) TOPOLOGY: linear
98 (ii) MOLECULE TYPE: peptide
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
104 Thr Tyr Gln Arg Thr Arg Gln Leu Val Arg Leu Thr Gly Met Asp Pro
105 1 5 10 15
108 (2) INFORMATION FOR SEQ ID NO: 4:
110 (i) SEQUENCE CHARACTERISTICS:
111 (A) LENGTH: 95 base pairs
112 (B) TYPE: nucleic acid
113 (C) STRANDEDNESS: single
114 (D) TOPOLOGY: linear
116 (ii) MOLECULE TYPE: genomic DNA
120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
122 GAAGCTTAAT ACGACTCACT ATAAGTAGAA ACAAGGGTGT TTTTCATAT CATTTAACT 60
124 TCACCCTGCT TTTGCTGAAT TCATTCTTCT GCAGG 95
126 (2) INFORMATION FOR SEQ ID NO: 5:
128 (i) SEQUENCE CHARACTERISTICS:
129 (A) LENGTH: 95 base pairs
130 (B) TYPE: nucleic acid
131 (C) STRANDEDNESS: single
132 (D) TOPOLOGY: linear
134 (ii) MOLECULE TYPE: genomic DNA
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
140 GAAGCTTAAT ACGACTCACT ATAAGCAAAA GCAGGGTGAA GTTTAAATGA TATGAAAAAA 60
142 CACCCTTGTT TCTACTGAAT TCATTCTTCT GCAGG 95
144 (2) INFORMATION FOR SEQ ID NO: 6:
146 (i) SEQUENCE CHARACTERISTICS:
147 (A) LENGTH: 68 base pairs
148 (B) TYPE: nucleic acid
149 (C) STRANDEDNESS: single
150 (D) TOPOLOGY: linear

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152      (ii) MOLECULE TYPE: genomic DNA
156      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
158 AGCTTAATAC GACTCACTAT AAGATCTATT AAACCTCACC CTGCTTTTGC TGAATTCATT      60
160 CTTCTGCA      68
162 (2) INFORMATION FOR SEQ ID NO: 7:
164      (i) SEQUENCE CHARACTERISTICS:
165          (A) LENGTH: 60 base pairs
166          (B) TYPE: nucleic acid
167          (C) STRANDEDNESS: single
168          (D) TOPOLOGY: linear
170      (ii) MOLECULE TYPE: genomic DNA
174      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
176 GAAGAATGAA TTCAGCAAAA GCAGGGTGAA GTTTAATAGA TCTTATAGTG AGTCGTATTA      60
179 (2) INFORMATION FOR SEQ ID NO: 8:
181      (i) SEQUENCE CHARACTERISTICS:
182          (A) LENGTH: 42 base pairs
183          (B) TYPE: nucleic acid
184          (C) STRANDEDNESS: single
185          (D) TOPOLOGY: linear
187      (ii) MOLECULE TYPE: genomic DNA
191      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
193 CCGAATTCTT AATACGACTC ACTATAAGTA GAAACAAGGG TG      42
195 (2) INFORMATION FOR SEQ ID NO: 9:
197      (i) SEQUENCE CHARACTERISTICS:
198          (A) LENGTH: 30 base pairs
199          (B) TYPE: nucleic acid
200          (C) STRANDEDNESS: single
201          (D) TOPOLOGY: linear
203      (ii) MOLECULE TYPE: genomic DNA
207      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
209 CCTCTAGACG CTCGAGAGCA AAAGCAGGTG      30
211 (2) INFORMATION FOR SEQ ID NO: 10:
213      (i) SEQUENCE CHARACTERISTICS:
214          (A) LENGTH: 15 base pairs
215          (B) TYPE: nucleic acid
216          (C) STRANDEDNESS: single
217          (D) TOPOLOGY: unknown
219      (ii) MOLECULE TYPE: genomic RNA (genomic)
223      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
225 CACCCUGCUU UUGCU      15
227 (2) INFORMATION FOR SEQ ID NO: 11:
229      (i) SEQUENCE CHARACTERISTICS:
230          (A) LENGTH: 15 base pairs
231          (B) TYPE: nucleic acid
232          (C) STRANDEDNESS: single
233          (D) TOPOLOGY: unknown
235      (ii) MOLECULE TYPE: genomic RNA
239      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
241 CACCCUGCUU UUACU      15

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243 (2) INFORMATION FOR SEQ ID NO: 12:
245     (i) SEQUENCE CHARACTERISTICS:
246         (A) LENGTH: 15 base pairs
247         (B) TYPE: nucleic acid
248         (C) STRANDEDNESS: single
249         (D) TOPOLOGY: unknown
251     (ii) MOLECULE TYPE: genomic RNA
255     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
257 CACCCUGCUU CUGCU                                     15
259 (2) INFORMATION FOR SEQ ID NO: 13:
261     (i) SEQUENCE CHARACTERISTICS:
262         (A) LENGTH: 15 base pairs
263         (B) TYPE: nucleic acid
264         (C) STRANDEDNESS: single
265         (D) TOPOLOGY: unknown
267     (ii) MOLECULE TYPE: genomic RNA
271     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
273 CACCCUGUUU UUGCU                                     15
275 (2) INFORMATION FOR SEQ ID NO: 14:
277     (i) SEQUENCE CHARACTERISTICS:
278         (A) LENGTH: 16 base pairs
279         (B) TYPE: nucleic acid
280         (C) STRANDEDNESS: single
281         (D) TOPOLOGY: unknown
283     (ii) MOLECULE TYPE: genomic RNA
287     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
289 CACCCUUGCU UUUGCU                                     16
291 (2) INFORMATION FOR SEQ ID NO: 15:
293     (i) SEQUENCE CHARACTERISTICS:
294         (A) LENGTH: 15 base pairs
295         (B) TYPE: nucleic acid
296         (C) STRANDEDNESS: single
297         (D) TOPOLOGY: unknown
299     (ii) MOLECULE TYPE: genomic RNA
303     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
305 CACCCUGUUU UUACU                                     15
307 (2) INFORMATION FOR SEQ ID NO: 16:
309     (i) SEQUENCE CHARACTERISTICS:
310         (A) LENGTH: 15 base pairs
311         (B) TYPE: nucleic acid
312         (C) STRANDEDNESS: single
313         (D) TOPOLOGY: unknown
315     (ii) MOLECULE TYPE: genomic RNA
319     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
321 CACCCUGUUU CUGCU                                     15
323 (2) INFORMATION FOR SEQ ID NO: 17:
325     (i) SEQUENCE CHARACTERISTICS:
326         (A) LENGTH: 16 base pairs
327         (B) TYPE: nucleic acid

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328         (C) STRANDEDNESS: single
329         (D) TOPOLOGY: unknown
331     (ii) MOLECULE TYPE: genomic RNA
335     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
337 CACCCUUGCU UUUACU                                     16
339 (2) INFORMATION FOR SEQ ID NO: 18:
341     (i) SEQUENCE CHARACTERISTICS:
342         (A) LENGTH: 16 base pairs
343         (B) TYPE: nucleic acid
344         (C) STRANDEDNESS: single
345         (D) TOPOLOGY: unknown
347     (ii) MOLECULE TYPE: genomic RNA
351     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
353 CACCCUUGUU UUUACU                                     16
355 (2) INFORMATION FOR SEQ ID NO: 19:
357     (i) SEQUENCE CHARACTERISTICS:
358         (A) LENGTH: 16 base pairs
359         (B) TYPE: nucleic acid
360         (C) STRANDEDNESS: single
361         (D) TOPOLOGY: unknown
363     (ii) MOLECULE TYPE: genomic RNA
367     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
369 CACCCUUGUU UCUACU                                     16
371 (2) INFORMATION FOR SEQ ID NO: 20:
373     (i) SEQUENCE CHARACTERISTICS:
374         (A) LENGTH: 96 base pairs
375         (B) TYPE: nucleic acid
376         (C) STRANDEDNESS: single
377         (D) TOPOLOGY: unknown
379     (ii) MOLECULE TYPE: genomic DNA
383     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
385 CTAGACGCCC TGCAGCAAAA GCAGGGTGAC AAAGACATAA TGGAGAAAAA AATCACTGGG      60
387 TATACCACCG TTGATATATC CCAATCGCAT CGTAAA                                96
389 (2) INFORMATION FOR SEQ ID NO: 21:
391     (i) SEQUENCE CHARACTERISTICS:
392         (A) LENGTH: 96 base pairs
393         (B) TYPE: nucleic acid
394         (C) STRANDEDNESS: single
395         (D) TOPOLOGY: unknown
397     (ii) MOLECULE TYPE: genomic DNA
401     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
403 GTTCTTTACG ATGCGATTGG GATATATCAA CGGTGGTATA CCCAGTGATT TTTTCTCCA      60
405 TTATGTCTTT GTCACCCTGC TTTTGCTGCA GGGCGT                                96
407 (2) INFORMATION FOR SEQ ID NO: 22:
409     (i) SEQUENCE CHARACTERISTICS:
410         (A) LENGTH: 34 base pairs
411         (B) TYPE: nucleic acid
412         (C) STRANDEDNESS: single
413         (D) TOPOLOGY: unknown

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VERIFICATION SUMMARY

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L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]